

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Euan Christopher Smith et al.

Title: A METHOD OF DRIVING A DISPLAY USING NON-NEGATIVE MATRIX FACTORIZATION TO DETERMINE A PAIR OF MATRICES FOR REPRESENTING FEATURES OF PIXEL DATA IN AN IMAGE DATA MATRIX AND DETERMINING WEIGHTS OF SAID FEATURES SUCH THAT A PRODUCT OF THE MATRICES APPROXIMATES THE IMAGE DATA MATRIX

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Mail Stop Issue Fee

Commissioner for Patents
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By

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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being filed using the USPTO's electronic filing system EFS-Web, and is addressed to: Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 25th day of April, 2011.

Jamie A. Ehlers

Name

/ Jamie A. Ehlers /
Signature